

10/566682

AP20060101 01 FEB 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Kiyotaka KOBAYASHI, et al.  
Application No.: New PCT National Stage Application  
Filed: February 1, 2006  
For: RADIO TRANSMITTING APPARATUS AND RADIO  
TRANSMISSION METHOD

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

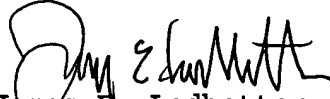
Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. Copies of the art cited in the International Search Report (ISR), which issued by the JPO, are made available to the U.S. examiner in the national stage application, pursuant to MPEP 1893.03(g), and therefore copies of such art are not submitted herewith. The art cited in the ISR is listed on the attached PTO-1449 for an indication of consideration by the examiner. Copies of any other references listed on the PTO-1449, besides those cited in the ISR, are submitted herewith. The S. KUROSAKI, et al. document is discussed in the present application at page 1, line 13 et seq. The V. TAROKH, et al. (pp. 1456-1467) and V. TAROKH, et al. (pp. 744-765) documents are both discussed starting on page 65, line 17 through page 66, line 1. US '448 corresponds to JP '932.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

A200601010 01 FEB 2006

Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter  
Registration No. 28,732

Date: February 1, 2006

JEL/spp

ATTORNEY DOCKET NO. L9289.06107

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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

L9289.06107

SERIAL NO.

New PCT Natl Stage  
Application

10/15/66682

APPLICANT

Kiyotaka KOBAYASHI, et al.

FILING DATE

February 1, 2006

GROUP

Unassigned

## U.S. PATENT DOCUMENTS

AP2005070170 01 FEB 2006

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 7 3 8 4 4 8	05/2004	Okamoto			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
2002 1 0 3 9 2 6	12/2002	WO			
1 1 1 4 5 9 3 2	05/1999	JP			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PCT International Search Report dated November 22, 2004.

S. KUROSAKI, et al.: "100Mbps/s SDM-COFDM over MIMO Channel for Broadband Mobile Communications," Technical Report of IEICE, A-P2001-96, RCS2001-135 (10-2001), The Institute of Electronics, Information and Communication Engineers, pp. 37-42 with English Abstract.

V. TAROKH, et al.: "Space-Time Codes for High Data Rate Wireless Communication: Performance Criterion and Code Construction," IEEE Transactions on Information Theory, vol. 44, no. 2, March 1998, pp. 744-765.

V. TAROKH, et al.: "Space-Time Block Codes from Orthogonal Designs," IEEE Transactions on Information Theory, vol. 45, no. 5, July 1999, pp. 1456-1467.

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.